



## TANK STORAGE SOLUTIONS

## FERTILISER, VINASSE, MOLASSES STORAGE TANK

&gt; URBAN AND INDUSTRIAL EFFLUENTS



## APRO INDUSTRIE

For more than 35 years, APRO Industrie has been designing, manufacturing, installing and performing maintenance on bolted steel tanks and roofs. Apro offers a turnkey solution for the storage of liquids.

Founded in 1987, APRO Industrie has quickly become a key player in the supply of liquid storage solutions for urban and industrial effluents.

Today, APRO Industrie represents:

- > Over 20,000 tanks in operation
- > Tanks with a capacity of up to 10 000 m<sup>3</sup>
- > Tanks installed worldwide
- > Global expertise in liquid storage

## SOLUTIONS

Bolted steel tanks for water treatment and effluent recovery.

[Design](#) · [Manufacturing](#) · [Installation](#) · [Maintenance](#)

## APPLICATIONS

- > Storage of mineral fertilisers (ammonium thiosulfate, urea, etc.)
- > Storage of organic fertilisers (protamylasse, beet juice, liquid compounds rich in potassium and organic nitrogen, etc.)
- > Storage of vinasse and molasses (from the refining of sugar beet and sugar cane, etc.)

## ADVANTAGES OF THE BOLTED TANK TECHNOLOGY

- > Competitive price
- > Reduced transport costs (compact tank kit delivered on site)
- > Factory-controlled quality of the tank kit (integrated unit)
- > Durable solution
- > Simple, fast, and safe assembly
- > Modular (volume augmentation, disassembly, and reassembly possible)
- > Simplified maintenance

## SERVICES

We share our experience and expertise through:

- > An engineering office dedicated to the design of our tanks for any geographical location
- > A production unit that gives us complete control over the manufacturing process
- > An efficient logistics service in France and worldwide
- > A team of project managers ensuring consistent follow-up and technical management from design to commissioning
- > Experienced supervisors and technicians trained to comply with all regulatory requirements
- > A reliable and responsive after-sales service
- > A QHSE culture based on continuous improvement (MASE certification)
- > Technical support available worldwide

## STANDARDS

Our tanks :

- > Meet the design codes EUROCODES/AWWA, and other specifics design standards
- > Are designed to withstand local environmental conditions (seismic activity, wind, snow)

## FERTILISER, STILLAGE, MOLASSES STORAGE TANK

APRO Industrie tanks are entirely prefabricated in our factory to guarantee an optimal and consistent quality level.

### STRUCTURE

- › Our cylindrical tanks are made of factory-prefabricated metal panels, delivered as a kit and bolted together on site
- › Our tanks can be constructed using galvanized, glass-fused-to-steel, epoxy-coated, or stainless steels, providing an appropriate solution for each stored liquid and adapted to the environmental characteristics of the project
- › The shell is stiffened by rim angles, curved to match the tank diameter
- › All structural elements are made of hot-dip galvanized steel

### WATERTIGHTNESS

Tank watertightness can be provided by:

- › Liner: *factory-prefabricated technical membrane fitted to the tank's dimensions*
- › Mastic sealant: *applied between the panels*

### RETENTION

A retention ring around the tank may be provided depending on the applicable regulations.

### COVERS

The cover protects the stored liquid from light and external elements. We provide waterproof, self-supporting covers in various types: flat, conical, or geodesic domes.

Each cover is equipped with a lockable inspection hatch and protective flashing around the edge.

### CONCRETE SLAB

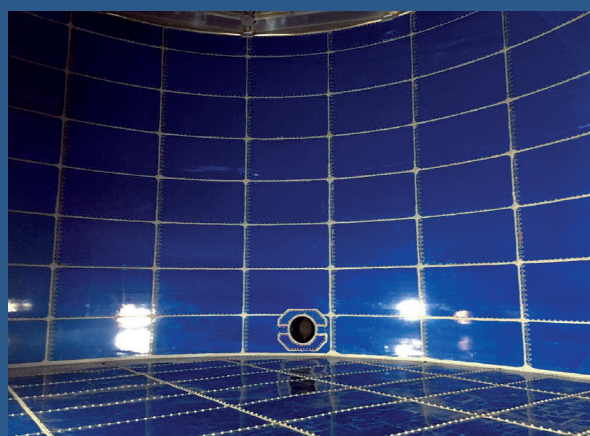
Our tanks are anchored on a concrete base, which supports the weight of the tank and its contents.

### ANCILLARIES

- › External aluminum ladder with safety cage or external staircase
- › Side manhole located at the base of the tank
- › Pipework (*suction, filling, overflow, drainage, etc.*)
- › External supports for vertical pipes

### OPTIONS

- › Roof walkway and central roof access platform
- › External polyester paint, RAL color of your choice
- › Internal thermal insulation (*shell and roof*) with cladding
- › Level controller
- › Maintenance contract



> FIRE PROTECTION

> URBAN AND INDUSTRIAL EFFLUENTS

> OIL & GAS - ENERGY

> POTABLE WATER & PROCESS WATER

> TANK COVERS

> MAINTENANCE AND ANCILLARIES



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